

AMENDMENTS TO THE CLAIMS

1-5. (Canceled)

6. (Previously Presented) A system for managing power in a wireless interface system that services communications between a wirelessly enabled host and at least one user input device, comprising:

a wireless interface unit that wirelessly interfaces with the wirelessly enabled host, wherein the wireless interface unit comprises:

an analog module including a transceiver unit,

a baseband core digital module further comprising:

a transceiver operation detector operable to detect operation of the transceiver unit, and

a voltage regulator control signal generator operable to generate a voltage regulator reference control signal corresponding to the operational status of the transceiver;

a clock generator operable to generate first and second clock signals corresponding to a first operating state wherein the transceiver is operational and a second operating state wherein the transceiver is turned off;

a processing unit operably coupled to the wireless interface unit, said processing unit operable to use said reference control signal to generate a low power mode signal; and

a power management unit operably coupled to the wireless interface unit, the processing unit, and the clock generator, wherein the power management unit is operable to receive said low power mode signal and to control the power consumption of the wireless interface device by providing a first power level to the clock generator when low power mode signal is in a first state and providing a second power level to the clock generator when the low power mode signal is in a second state.

7-8. (Canceled)

9. (Original) The wireless interface device of claim 6, wherein the wireless interface device enters one of a plurality of power consumption operating states comprising:
busy mode in which all components of the wireless interface device are powered and operational;
idle mode in which the wireless interface unit performs first power conserving operations;
suspend mode in which the wireless interface unit performs second power conserving operations; and
power down mode in which the wireless interface unit and the processing unit are powered down.

10. (Original) The wireless interface device of claim 9, wherein in the idle mode the wireless interface unit periodically communicates with the wirelessly enabled host.

11. (Original) The wireless interface device of claim 9 wherein in the suspend mode:

the wireless interface unit does not transmit to the wirelessly enabled host; and
the wireless interface unit listens to the transmissions of the wirelessly enabled host.

12. (Original) The wireless interface device of claim 11, wherein the power management unit powers down the wireless interface unit and the processing unit after at least one inactivity period during which the at least one user input device is inactive with respect to the input/output unit.

13. (Original) The wireless interface device of claim 6, wherein the user input device includes a cursor control device.

14. (Original) The wireless interface device of claim 6, wherein the user input device includes a keypad.

15. (Original) The wireless interface device of claim 6, wherein the user input device includes:

a cursor control device; and
a keypad.

16-23. (Canceled)